

### **Ultra DOT® TECHNICAL SPECIFICATIONS**

LENGTH:	126 mm 5"
WIDTH:	48 mm 1 7/8"
HEIGHT:	33 mm 1 7/16
WEIGHT:	3.9 oz. (110 g)
BATTERY:	Lithium, 3V, Duracell DL 2032
BATTERY LIFE:	20 - 4,000 hours
SHELF LIFE:	Battery can be stored for 5 years.
MIRROR LENS:	Specially coated for specific wave length band.
FILTER SYSTEM:	Dual, interadjustable, Polaroid filters for maximum versatility during extreme light conditions.
POTENTIOMETER:	Twelve clearly marked and easily distinguishable click stops.
ELEVATION AND WINDAGE ADJUSTMENT:	1/2 M.O.A. increments with a moveable zero/reference dial.

# **MicroDOT® AND Ultra DOT®... BOTH ENGINEERED TO GIVE YOU THE WINNING EDGE**

Congratulations! You are now the proud owner of a new **MicroDOT®** scope or **Ultra DOT®** illuminated optical sight. Both products are engineered to give you the winning edge whether you use it on a handgun, shotgun, rifle or bow.

If you have chosen the **MicroDOT®** scope, it is the highest quality scope available. The fine optics together with the built-in Red Dot Aiming System (R.D.A.S.) makes this product your most valuable companion during all light conditions. We have used the latest of fiber optic technology and combined it with state-of-the-art electronics. This is truly the most advanced R.D.A.S. ever incorporated into a scope. Never has a dot been so minute... never has a dot been so precise.

If the **Ultra DOT®** was your choice, you now own the smallest, lightest and most versatile sight of its kind. Conventional sights

force your eye to focus on the rear sight, front sight as well as the target. This is especially difficult if your eyesight is weak. The **Ultra DOT®** will simplify this procedure by letting your eye concentrate on the target where the red, sharp aiming dot is superimposed.

**MicroDOT®** and **Ultra DOT®** are manufactured by Oakshore Electronic Sights, Inc. (OES), the innovative leader. We use the latest technology to give you, the shooter, a rugged and reliable product year after year. We are very pleased with your show of confidence in us. We hope that complete satisfaction with your new sight will encourage you to invest in our other fine products.

Sincerely,

**Perry Ekstrand, President - Oakshore Electronic Sights, Inc.**

## **TO ATTACH THE FILTER TO THE SIGHT:**

1. Unscrew the trim ring at the front end.
2. Replace the trim ring with the filter.

By turning the front part of the filter clockwise you can adjust the brightness and contrast.

## **ZEROING YOUR NEW Ultra DOT®**

1. Activate the light and remove the elevation and windage caps.
2. With the gun rested on a solid support sight along the barrel towards a small target at least 100 yards away.
3. Sight through your new **Ultra DOT®** and use the elevation and windage adjustment screws to move the red aiming dot to the same target.

## **4. TO AVOID INJURY MAKE SURE THAT THE SIGHT IS PROPERLY MOUNTED BEFORE YOU START FIRING.**

For handguns start, to fire at 15 to 25 yards and for rifles, at 25 to 50 yards. Shoot test groups of 3 rounds each and adjust between each group. Use the same type of ammunition while zeroing your gun.

To move the point of impact up, turn the elevation adjustment screw in the direction of the "UP" arrow and vice versa. To move the point of impact to the left turn the windage adjustment screw in the direction of the "L" arrow and vice versa.

Each mark on the elevation/windage dial will move the point of impact 1/2" at 100 yards.

5. Once you have zeroed your gun, move to your desired distance and make further adjustments.
6. Replace the elevation and windage caps.
7. Enjoy a good day of shooting.



6. Make sure that the sight is mounted horizontally. The potentiometer knob should be to the left, the elevation adjustment cap straight up and the windage adjustment cap straight to the right. Tighten all four Allen screws evenly.
7. After you have fired a few rounds check the screws and tighten them if necessary.

## CHANGING BATTERIES AND USING THE BRIGHTNESS CONTROL KNOB

Your new **Ultra DOT**® comes with a battery already placed in the battery compartment. If the dot is dim or if it doesn't light at all you will need to replace the battery.

1. Hold the potentiometer knob firmly with one hand while you use a coin or screwdriver to unscrew the

lid of the battery compartment.

2. Remove the battery and replace it with a new one (Duracell DL 2032 or equivalent). The plus side (+) of the battery should face the battery lid.
3. Replace the battery lid and tighten it firmly.

The potentiometer knob has twelve easily distinguishable click stops. 0 = Off, 1 = dimmest setting, 11 = Brightest setting.

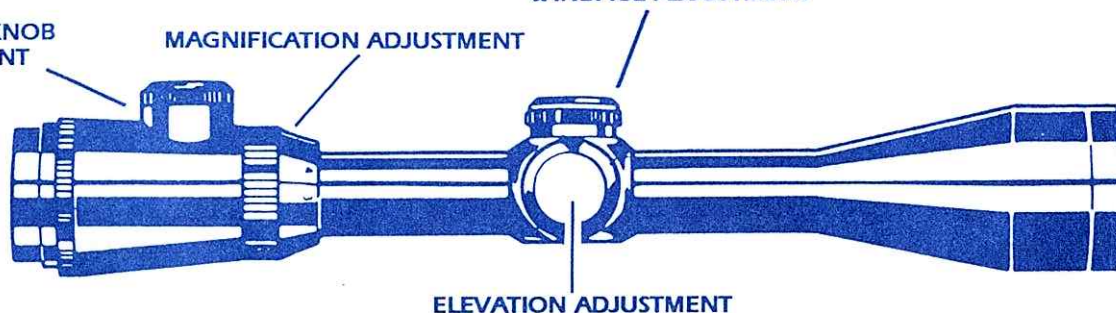
You can turn the knob clock wise or counterclock wise, i.e., go directly from "off" to the dimmest or to the brightest setting. The battery will last between 20 to 4000 hours, depending on which setting you are using. On bright days the polarized filter will make it possible to use a much lower setting and consequently prolong the battery life.



BRIGHTNESS CONTROL KNOB  
BATTERY COMPARTMENT

MAGNIFICATION ADJUSTMENT

WINDAGE ADJUSTMENT



## MOUNTING YOUR **MicroDOT**®

The **MicroDOT**® can be mounted in any 1" standard rings. Before you mount the **MicroDOT**® on your firearm, make sure that the mounting system is specified by the manufacturer for your particular weapon. The base(s) should provide a uniform horizontal/vertical mounting platform. For your own safety, let a knowledgeable gunsmith inspect the weapon and mounting system to see that everything is in order.

## CHANGING BATTERIES AND USING THE BRIGHTNESS CONTROL KNOB

Your new **Micro DOT**® comes with a battery already placed in the battery compartment. If the dot is dim, or if it doesn't light at all you will need to replace the battery.

## MOUNTING YOUR **Ultra DOT**®

Your **Ultra DOT**® is delivered with 1" mounting rings. These fit the standard dovetail bases. Included you will also find an Allen wrench which fits the two Allen screws on each ring mount.

1. Make sure that the base(s) is specified by the manufacturer for your handgun, rifle or shotgun and that it provides a uniform horizontal and vertical mounting platform. For your own safety, let a knowledgeable gunsmith inspect the weapon and mounting base(s) to make sure that everything is safely in order. Since there is no set eye relief for the **Ultra DOT**® make sure that you have a minimum clearance of 3" between the sight and your eye.
2. Use the included Allen wrench to remove the cross bolt at the bottom of each ring mount, and to loosen

1. Hold the potentiometer knob firmly with one hand on setting 6 while you use a coin or a screwdriver to unscrew the lid of the battery compartment.
2. Remove the battery and replace it with a new one (Duracell DL 2032 or equivalent). The plus side (+) of the battery should face the battery lid.
3. Replace the battery lid and tighten firmly.

**The brightness control knob (potentiometer) is marked from 0 - 11. 0 = Off and 11 = Brightest.**

**DO NOT TRY TO TURN THE KNOB PAST #11 SETTING OR FARTHER COUNTERCLOCKWISE THAN 0.**

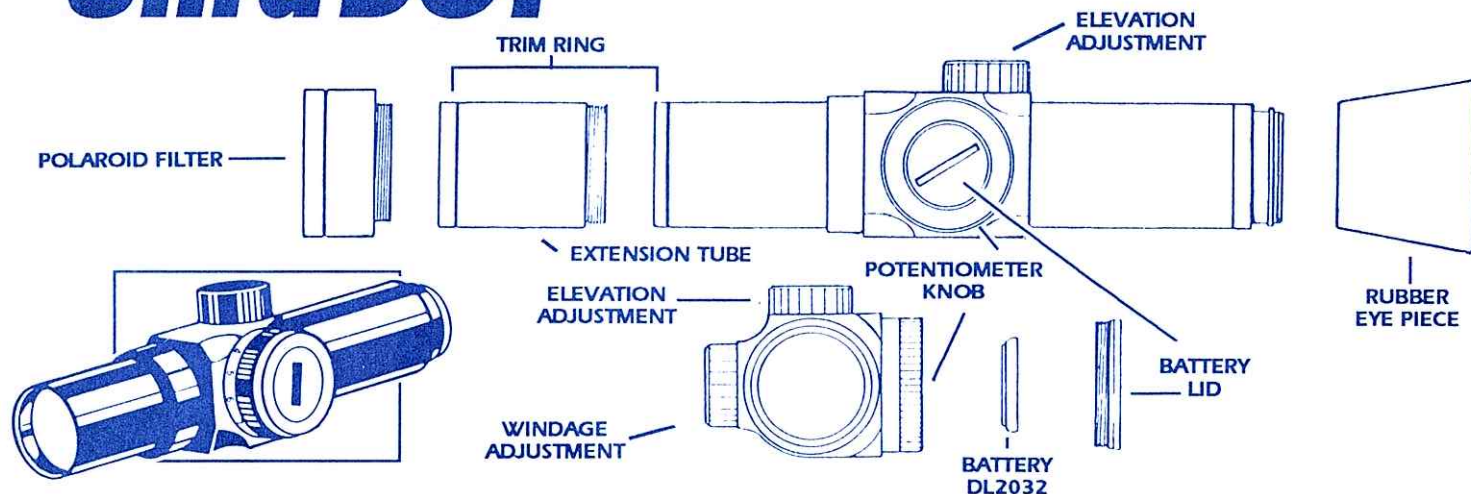
The intensity of the dot is indefinitely adjustable from 1 - 11. The adjustment range is adapted for use in low light - dark. During very bright sunshine it might be difficult to see the dot at all, even on the brightest setting. The Red Dot Aiming System is not supposed to be used during the time of the day when the cross hairs clearly are visible. The R.D.A.S. is used when the light condition is so poor that it is difficult to distinguish the cross hairs.

the top Allen screw so that you can separate the two halves approximately 3/8".

3. Slide one ring mount onto the base until it aligns with the cross cut groove. Insert the cross bolt through the ring mount base and cross cut groove. Loosely tighten so that it stays in place.
4. Insert your new **Ultra DOT**® into the ring and loosely tighten. Make sure that you have the potentiometer knob with the battery on the left hand side.
5. Slide the second ring on to the base and sight simultaneously. Insert the crossbolt through the ring mount base and cross cut groove and loosely tighten. If you have a long distance between the grooves you might have to use the enclosed extension tube. If so, remove the trim ring from the front of the sight. Attach the extension tube to the sight and tighten firmly. Replace the trim ring on the front of the extension tube.



# Ultra DOT®



## USING THE VARIABLE MAGNIFICATION

To adjust the magnification, use the ring in front of the ocular and turn it to the desired magnification level. The farther away your target is, the higher magnification is beneficial. If too high a magnification is used over a short distance, the target will appear to be out of focus. This is normal. Adjust the magnification to regain a sharp image.

## ZEROING YOUR NEW *MicroDOT*®

1. Remove the elevation and windage caps.
2. With the gun rested on a solid support, sight along the barrel towards a small target at least 100 yards away.
3. Sight through your new *MicroDOT*® and use the elevation and windage adjustment screws to move the center of the cross hairs to the same target.

4. TO AVOID INJURY MAKE SURE THAT THE SCOPE IS PROPERLY MOUNTED BEFORE YOU START TO FIRE. For handguns start to fire at 15-25 yards, and for rifles start to fire at 25-50 yards. Shoot test groups of three rounds each and adjust between each group. Use the same type of ammunition while zeroing your gun. To move the point of impact up, turn the elevation adjustment screw in the direction of the "UP" arrow and vice versa. To move the point of impact to the right, turn the windage adjustment screw in the direction of the "Right" arrow and vice versa. Each mark on the elevation/windage dial will move the point of impact 1/4" at 100 yards.
5. Once you have zeroed your gun, move to your desired distance and make further adjustments.
6. Replace the elevation and windage caps.
7. Enjoy a good day of shooting.



## SPECIFICATIONS

MODEL:	<b>MicroDOT®</b> 1.5 - 4.5 x 20 Rifle
POWER:	Variable 1.5X - 4.5X
OBJECTIVE APERTURE:	20 mm
FIELD OF VIEW: 110 yards (100 m):	1.5X: 73.8' 22.5 m 4.5X: 24.6' 7.5 m
EXIT PUPIL:	4.5X: 4.4 mm
EYE RELIEF:	1.5X: 3 1/4" - 3 11/16" - 83-94 mm 4.5X: 2 7/16 - 3 1/4" 62-82 mm
BRIGHTNESS INDEX:	1.5X: 5.5 4.5X: 9.5
ADJUSTMENT:	Click stops 1/4 M.O.A. (7.3 mm/100 m)
MAXIMUM RETICLE MOVEMENT:	+25'/110 Yards (= -7.6 m./100 m)
LENGTH:	9 7/8" (251 mm)
WEIGHT:	10.5 oz. (293 g)
BATTERY:	DL 2032
BATTERY LIFE:	20 - 4,500 Hours
DOT SIZE 110 YARDS (100 m):	1.5X: 3 (76.5 mm) 4.5X: 1" (25.2 mm)
RETICLE SIZE AT 110 YARDS (100 m):	Duplex reticle
A: WIDTH OF POST:	A: 1.5X: 6" 4.5X: 2"
B: WIDTH OF CROSS HAIR:	B: 1.5X: 19/16" 39.8 mm 4.5X: 1/2" 13.1 mm
C: DISTANCE BETWEEN POST TIPS:	C: 1.5X: 55 7/16" 1407.8 mm 4.5X: 18 1/4" 464 mm

Oakshore Electronic Sights, Inc. warrants the **Micro Dot®** and **Ultra Dot®** electronic sights to be free from defects in materials and workmanship. Oakshore Electronic sights, Inc., will promptly repair or replace, as it deems most suitable, any product which is defective in material or workmanship without charge during the warranty term of the original purchaser, provided the product is returned by the original purchaser to: **OAKSHORE ELECTRONIC SIGHTS, INC., ATTN: CUSTOMER SERVICE DEPARTMENT, 2316 N.E. 8th Road, Ocala, FL 32670.** All costs associated with the shipment of the product are the responsibility of the original purchaser. **Please enclose \$5.00 for postage and handling.** This warranty does not cover defects caused by improper handling, installation or maintenance or abnormal use, alteration or accident.

**Oakshore Electronic sights, Inc. shall not be liable for consequential damages, including but not limited to commercial or other economic loss or lost profits, or incidental damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.**

**All Implied warranties, if any arising under state law are limited in duration to the duration of this written warranty. Except for such Implied warranties, there are not other warranties which extend beyond this written warranty. Some states do not allow limitations on how long an Implied warranty lasts, so the above limitation may not apply to you.**

**This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.**

Purchase Date

Model

Serial No.

### WARRANTY REGISTRATION

Please Mail Within 10 Days of Purchase to Initiate Your Warranty to:  
**OAKSHORE ELECTRONIC SIGHTS, INC., Attn: Customer Service Department,**

☐ **MicroDOT®** ☐ **Ultra DOT®**

PURCHASE DATE		
Month	Day	Year

MODEL NO.

SERIAL NO.

Purchaser's Name \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Dealer's Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Dealer's Telephone \_\_\_\_\_



## SPECIFICATIONS

MODEL: **Micro DOT® 4 - 12 x 56**  
 POWER: 4X-12X  
 OBJECTIVE APERTURE: 56 mm  
 FIELD OF VIEW: 4X: 28.1'/110 Yards 8.5 m/100 m  
 12X: 9.2'/110 yards 2.8 m/100 m  
 EXIT PUPIL: 4X: 10.58 mm 12x: 4.67 mm  
 EYE RELIEF: Over 75 mm / 3"  
 BRIGHTNESS INDEX: 4X: 111.9 12X: 21.8  
 ADJUSTMENT: 1/4 M.O.A./Click  
 MAXIMUM RETICLE MOVEMENT: + -20'/110 yards (6.1 m /100 m)  
 LENGTH: 14.4" 366 mm  
 WEIGHT: 21 oz. (595 g)  
 BATTERY: DL 2032  
 BATTERY LIFE: 20 - 4000 hours  
 DOT SIZE 110 YARDS (100 M): 0.37"/110 yards (9.5 mm/100 m)  
 RETICLE SIZE AT 110 YARDS (100 M): Duplex reticle  
 A: WIDTH OF POST: A: 0.74" 18.9 mm  
 B: WIDTH OF CROSS HAIR: B: 0.2" 4.9 mm  
 C: DISTANCE BETWEEN POST TIPS: C: 6.86" 174 mm



## SPECIFICATIONS

MODEL: **Micro DOT® 2 - 7 X 32**  
 POWER: Variable 2X - 7X  
 OBJECTIVE APERTURE: 32 mm  
 FIELD OF VIEW: 110 yard 100 m): 2X: 48.2' 14.7m 7X: 13.8' 4.2m  
 EXIT PUPIL: 2X: 11.6 mm 7X: 4.5mm  
 EYE RELIEF: 2X: 3"-4" 74-100 mm 7X: 2 1/3" - 3 1/3" 59-85 mm  
 BRIGHTNESS INDEX: 2X: 6.9 7X 15  
 ADJUSTMENT: Click stops 1/4 M.O.A. (7.3 mm/100 m)  
 MAXIMUM RETICLE MOVEMENT: + -30'/110 yards (+ -9.14 m/100 m)  
 LENGTH: 11-3/16" (284 mm)  
 WEIGHT: 12 oz. (337 g)  
 BATTERY: DL 2032  
 BATTERY LIFE: 20 - 4,500 Hours  
 DOT SIZE 110 YARDS (100 m): 2X: 2" (51 mm) 7X: 9/16" (15 mm)  
 RETICLE SIZE AT 110 YARDS (100 m): Duplex reticle  
 A: WIDTH OF POST: A: 2X: 4/716" 112 mm 7X: 1-1/3" 33 mm  
 B: WIDTH OF CROSS HAIR: B: 2X: 1-1/8" 20 mm 7X: 1/3" 9 mm.  
 C: DISTANCE BETWEEN POST TIPS: C: 2X 40-3/4" 1034 mm 7X: 12" 302 mm



## SPECIFICATIONS

MODEL:	<b>MicroDOT®</b> 3 - 9 x 40
POWER:	Variable 3X - 9X
OBJECTIVE APERTURE:	40 mm
FIELD OF VIEW 110 yards (100 m):	3X: 37" 11.3 m 9X: 12.5' 3.8 m
EXIT PUPIL:	3X: 10.5 mm 9X: 4.2 mm
EYE RELIEF:	3X: 2 3/4" - 3 5/8" 70-92 mm 9X: 2 3/8" - 3 1/4" 61-82 mm
BRIGHTNESS INDEX:	3X: 9.8 9X: 19
ADJUSTMENT:	Click stops 1/4 M.O.A. (7.3 mm/100 m)
MAXIMUM RETICLE MOVEMENT:	+ -20'/110 yards (6.1 m/100 m)
LENGTH:	12 1/3" 313 mm
WEIGHT:	13.4 oz. (375 g)
BATTERY:	DL 2032
BATTERY LIFE:	20 - 4,500 Hours
DOT SIZE 110 YARDS (100 m):	3X: 1 1/3" (34mm) 9X: 7/16" (11 mm)
RETICLE SIZE AT 110 YARDS (100 m):	Duplex reticle
A: WIDTH OF POST:	A: 3X: 3" 76 mm 9X: 1" 25 mm
B: WIDTH OF CROSS HAIR:	B: 3X: 3/4" 19.8 mm 9X: 1/4" 6.5 mm
C: DISTANCE BETWEEN POST TIPS:	C: 3X: 27.5" 700 mm 9X: 9" 231 mm



## SPECIFICATIONS

MODEL:	<b>MicroDOT®</b> 1.5 - 4.5 Pistol
POWER:	Variable 1.5X - 4.36X
OBJECTIVE APERTURE:	20 mm
FIELD OF VIEW 110 yards (100 m):	1.5X: 14.9' 4.5 m 4.5X: 6.9' 2.1 m
EXIT PUPIL:	4.5X: 4.4 mm
EYE RELIEF:	.5X: 3 1/4 - 3 11/16 83-94 mm 4.5X: 2 7/16-3 1/4 62-82 mm
BRIGHTNESS INDEX:	1.5X: 5.5 4.5X: 9.5
ADJUSTMENT:	Click stop 1/4 M.O.A. (7.3 mm/100 m)
MAXIMUM RETICLE MOVEMENT:	+ -25'/110 Yards (= -7.6 m/100 m)
LENGTH:	9" (229 mm)
WEIGHT:	Estimated 10 oz. (280 g)
BATTERY:	DL 2032
BATTERY LIFE:	20 - 4,500 Hours
DOT SIZE 110 YARDS (100 m):	1.5X: 1 7/8" (47.3 mm) 4.5X: 5/8" (16.5 mm)
RETICLE SIZE AT 110 YARDS (100 m):	Duplex reticle
A: WIDTH OF POST:	A: 1.5X: 3 3/4" 94.6 4.5X: 1 1/3" 33 mm
B: WIDTH OF CROSS HAIR:	B: 1.5X: 1" 24.6 mm 4.5X: 1/3" 8.6 mm
C: DISTANCE BETWEEN POST TIPS:	C: 1.5X: 34 1/4" 870.4 mm 4.5X: 1/3" 8.6 mm